

Claims

- [c1] 1. A container set for handling blood or blood products to virally inactivate such blood or blood products comprising
- a first container;
 - a second container;
 - a first tube between the first and second container;
 - a third container;
 - a second tube between the second and third containers; wherein the second container is made of a material which passes ultraviolet light to virally inactivate any blood product contained therein.
- [c2] 2. The container set of claim 1 further comprising
- a fourth container; and
 - a third tube connecting the fourth container to the first container.
- [c3] 3. The container set of claim 2 further comprising
- a fifth container
 - a fourth tube connecting the fifth container to the third container.
- [c4] 4. The container set of claim 1 further comprising a sterile connector on the first tube.
- [c5] 5. The container set of claim 2 further comprising a sterile connector on the third tube.
- [c6] 6. The container set of claim 3 further comprising
- a first end on at least one of said containers;
 - a second end on another of said containers wherein said second end of said another container is opposite said first end of said at least one of said containers;
 - first and second tube ends on said one of said tubes wherein one of said first and second tube ends of said one of said tubes is connected to the first end of the at least one container and the other of said first and second tube ends of the one of said tubes is connected to the second end of said another container.
- [c7] 7. A cassette adapted to receive a container set including at least one container

containing blood or blood products comprising
a first cassette portion for receiving the container set;
a second cassette portion comprising at least one pressure pad adapted to be
arranged opposite at least one container of the container set wherein pressure
can be exerted through the pressure pad onto at least one container to move
any blood products contained therein.

[c8] 8. The cassette of claim 7 wherein the container set has a plurality of containers
and the cassette further
comprises a plurality of pressure pads adapted to move fluids out of and into
the plurality of containers.

[c9] 9. The cassette of claim 8 wherein the plurality of pressure pads are adapted to
be connected to a pneumatic pressure source to apply pressure to the pressure
pads.

[c10] 10. The cassette of claim 8 wherein the container set has at least a first tube
connecting two containers and the cassette further comprising
a first recess adapted to receive a clamp device for acting upon the first tube.

[c11] 11. The cassette of claim 8 wherein the container set has a plurality of tubes for
connecting the plurality of containers and wherein the cassette further
comprises
a plurality of recesses adapted to receive a plurality of clamps for acting on the
plurality of tubes.

[c12] 12. The cassette of claim 7 further comprising
a plurality of receptacles for receiving a plurality of containers.

[c13] 13. The cassette of claim 7 further comprising a hinge for connecting the first
cassette portion to the second cassette portion.

[c14] 14. The cassette of claim 7 further comprising a enlarged end on one of the first
or second cassette portions adapted to block air in a cassette receiving pathway
when the cassette is placed in the cassette receiving pathway of a processing
apparatus.

- [c15] 15. The cassette of claim 7 further comprising
a locking mechanism to lock the first cassette portion to the second cassette
portion wherein said at least one pressure pad is opposite the at least one
container.
- [c16] 16. The cassette of claim 7 wherein said first cassette portion comprises
a portion made of material transparent to ultraviolet radiation.
- [c17] 17. The cassette of claim 7 wherein said cassette is made of material
transparent to ultraviolet radiation.
- [c18] 18. An apparatus for processing blood or blood products in containers
comprising
a cassette for receiving at least one container having a blood or blood product
therein wherein said cassette comprises at least one pressure pad;
a cassette receiving pathway; and
pressure source for acting on the pressure pad in the cassette wherein the
assertion of pressure on said pressure pad of the cassette causes the pressure
pad to exert pressure on at least one container contained in the cassette.
- [c19] 19. The apparatus of claim 18 further comprising
a source of radiation for irradiating at least one portion of the cassette to
irradiate at least one container contained therein.
- [c20] 20. The apparatus of claim 18 further comprising
a source of heat for heating at least one portion of the cassette to heat at least
one container contained therein.
- [c21] 21. The apparatus of claim 18 wherein the cassette is adapted to receive a
plurality of containers connected by tubes, the apparatus comprising
at least one clamp to act on at least one tube.